

ARNALL GOLDEN & GREGORY, LLP
 A PARTNERSHIP INCLUDING PROFESSIONAL CORPORATIONS

2800 ONE ATLANTIC CENTER
 1201 WEST PEACHTREE STREET • ATLANTA, GEORGIA 30309-3450
 TELEPHONE (404) 873-8500 • FACSIMILE (404) 873-8501
 SENDER'S DIRECT FAX 404-873-8795

#271
 DW
 4/19/99

FROM: Patrea L. Pabst
PHONE: 404-873-8794

DATE: April 5, 1999
CLIENT/MATTER #: 20487/106

PLEASE DELIVER AS SOON AS POSSIBLE TO:

RECIPIENT	COMPANY	FAX No.	PHONE No.
1. Nancy A. Johnson	- U. S. Patent and Trademark Office	703-308-4426	703-305-5860

Total number of pages including this page: 15.
 If you do not receive all the pages, please call 404-873-8500.

Examiner Johnson:

As we discussed on the phone this morning, attached are the 7 declarations which were submitted with our response of December 31, 1998, in connection with USSN 08/259,321.

Jean Hicks, Secretary to
 Patrea L. Pabst

OFFICIAL

MAS
 4/5/99

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERING THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE, AND RETURN THE ORIGINAL MESSAGE TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.



LUND UNIVERSITY
DEPARTMENT OF CLINICAL CHEMISTRY
MALMÖ GENERAL HOSPITAL

Malmö 92 01 28.

Dr. Naomi Esmon
Cardiovasc. Biol. Res. Program
Oklahoma Med. Res. Found.
825 N. E. 13th Street
Oklahoma City, OK 73104
USA

Dear Naomi,

Thank you for your letter of Jan 14th. I do apologize for not having answered it before but I have had a very bad influenza for more than a week.

As you know we have made several sets of monoclonal antibodies against human protein C, even one that is calcium-dependent and unfortunately called HPC-4 just like your antibody. However, our antibody is of course entirely different from your HPC-4 and recognizes an epitope in the first EGF-like module. Among the monoclonal antibodies we have made there are several against the activation peptide that do not recognize the active enzyme and as far as I recall block activation. However, none of our activation peptide recognizing monoclonal antibodies is calcium dependent. My experience is based on at least four different fusions and we have isolated and characterized at least twenty different stable monoclonal antibodies against protein C.

Based on the considerable experience we have of monoclonal antibodies against human protein C and from what I have read in the literature I am convinced that your antibody, labelled HPC-4 is truly unique and has very unusual properties, particularly with regard to the calcium binding properties.

Björn has read the letter. He agrees and sends his best regards.

With all the best wishes for you and Chuck.

Sincerely,

A handwritten signature in black ink.

Johan Stenflo

Postal address
Malmö General Hospital
S-214 01 MALMÖ, SWEDEN

Telephone
46-40-331424
331000

Fax
46-40-929023